

Book Lists of Mathematics (Honours & General)

Mathematics (Honours)

Semester 1(CC1)

1. Application Of Calculus – Sitanshu Bandopadhyay & Sunil Kumar Maity
2. Advanced Analytical Geometry – J.G. Chakravorty & P.R.Ghosh
3. Analytical Geometry of two and three dimensions and Vector Analysis - R.M.Khan
4. Vector Analysis - J.G.Chakravorty & P.R.Ghosh
5. Vector Analysis – Murray.R.Spigel

Semester 1(CC2)

1. Higher Algebra -Classical -S.K.Mapa
2. Higher Algebra -Abstract &Linear -S.K.Mapa
3. Topics in Abstract Algebra -M.K.Sen ,Shamik Ghosh ,Partha Sarathi Mukhopadhyaya

Semester 2(CC3)

1. Introduction to Real Analysis -S.K.Mapa
2. Introduction to Real Analysis – R.G.Bartle & D.R. Sherbert

Semester 2(CC4)

1. A first course in Abstract Algebra – J.B. Fraleigh
2. Higher Algebra -Abstract &Linear -S.K.Mapa
3. Topics in Abstract Algebra -M.K.Sen ,Shamik Ghosh ,Partha Sarathi Mukhopadhyaya

Semester 3(CC5)

1. Introduction to Real Analysis -S.K.Mapa
2. Introduction to Real Analysis – R.G.Bartle & D.R. Sherbert

Semester 3(CC6)

1. Linear Algebra -S.H. Friedberg, A.J.Insel & L.W. Spence
2. Higher Algebra -Abstract &Linear - S.K.Mapa
3. Topics in Abstract Algebra - M.K.Sen ,Shamik Ghosh ,Partha Sarathi Mukhopadhyaya

Semester 3(CC7)

1. Ordinary & Partial Differential Equation – M.D. Rai Singhanian
2. Mathematical Analysis – Sitansu Bandyopadhyay

Semester 4(CC8)

1. Introduction to Real Analysis -S.K.Mapa
2. Introduction to Real Analysis – R.G.Bartle & D.R. Sherbert

Semester 4(CC9)

1. Ordinary & Partial Differential Equation – M. D. RaiSinghanian
2. Mathematical Analysis – T. Apostol

3. Real Mathematical Analysis -Charles Champman Pugh

Semester 4(CC10)

1. An Elementary Treatise on the Dynamics of Particle and of rigid Bodies - S. L. Loney
2. An Elementary Treatise on Statics - S.L. Loney
3. Advanced Analytical Dynamics -- J. G. Chakravorty & P. R. Ghosh

Semester 5(CC11)

1. Fundamentals of Mathematical Statistics – S.C.Gupta & V.K. Kapoor
2. Fundamental of Statics – A.M.Goon ,M.K.Gupta & B.Dasgupta

Semester 5(CC12)

1. Contemporary Abstract Algebra -J.A.Gallian
2. Topics in Algebra -I. N. Herstein (Suggested for sums)
3. Topics in Abstract Algebra- M. K. Sen
4. Linear Algebra -S.H. Friedberg, A. J. Insel & L.W. Spence

Semester 6(CC13)

1. Topology Of Metric Spaces – S. Kumaresan
2. Metric Space -J. Sengupta
3. Foundation of Complex Analysis – S. Ponnusamy
4. Complex Variables and Applications - J.W.Brown & R.V. Churchill

Semester 6(CC14)

1. Numerical Analysis & Computational Procedures -S.A .Mollah
2. Numerical Analysis and Statistical Methods- S.Sinha & S.Pradhan
3. Numerical Analysis and Computational Procedures-S.Sinha

Semester 5(DSE-A(1))(Advanced Algebra)

1. Contemporary Abstract Algebra -J.A.Gallian
2. Topics in Algebra -I.N.Herstein (Recommended for Sums)

Semester 5(DSE-B(1))(Linear Programming &Game Theory)

1. Linear Programming -G.Hadley

Semester 6(DSE-A(2))(Mathematical Modelling)

1. Mathematical Modeling - Banerjee

Semester 6(DSE-B(2))(Point Set Topology)

1. Topology , A first Course-J.M.Munkres

Semester 3(SEC-A)(C Programming Language)

1. Let us C – Y. Kanetkar

Semester 3(SEC-B)(Scientific Computing with Sage Math &R)

1. Introductory Statistics with R -P.Dalgaard

Mathematics (General)

Semester 1(GE1)

1.CBCS Mathematics (Volume -1) -D.Chatterjee & B.K.Pal

Semester 2(GE2)

1.CBCS Mathematics (Volume -2) -D.Chatterjee & B.K.Pal

Semester 3(GE3)

1.CBCS Mathematics (Volume -3) -D.Chatterjee & B.K.Pal

Semester 4(GE4)

1.CBCS Mathematics (Volume -4) -D.Chatterjee & B.K.Pal